

10/534160

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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 3 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 4 AUG 13 CA/Capplus enhanced with additional kind codes for granted patents
NEWS 5 AUG 20 CA/Capplus enhanced with CAS indexing in pre-1907 records
NEWS 6 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 7 AUG 27 USPATOLD now available on STN
NEWS 8 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 9 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 10 SEP 13 FORIS renamed to SOFIS
NEWS 11 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 12 SEP 17 CA/Capplus enhanced with printed CA page images from 1967-1998
NEWS 13 SEP 17 Caplus coverage extended to include traditional medicine patents
NEWS 14 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15 OCT 02 CA/Capplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 16 OCT 19 BEILSTEIN updated with new compounds
NEWS 17 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 18 NOV 19 WPIX enhanced with XML display format
NEWS 19 NOV 30 ICSD reloaded with enhancements
NEWS 20 DEC 04 LINPADOCDB now available on STN
NEWS 21 DEC 14 BEILSTEIN pricing structure to change
NEWS 22 DEC 17 USPATOLD added to additional database clusters
NEWS 23 DEC 17 IMSDRUGCONF removed from database clusters and STN
NEWS 24 DEC 17 DGENE now includes more than 10 million sequences
NEWS 25 DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 26 DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27 DEC 17 CA/Capplus enhanced with new custom IPC display formats
NEWS 28 DEC 17 STN Viewer enhanced with full-text patent content from USPATOLD

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:51:48 ON 29 DEC 2007

McIntosh

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:52:18 ON 29 DEC 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 DEC 2007 HIGHEST RN 959740-17-1

DICTIONARY FILE UPDATES: 28 DEC 2007 HIGHEST RN 959740-17-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

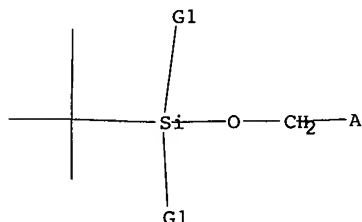
Uploading C:\Program Files\Stnexp\Queries\10534160b.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C,O,N,Si,Ge,Pb,Sn

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 10:52:37 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 13022 TO ITERATE

15.4% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 .ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 253603 TO 267277

PROJECTED ANSWERS: 36541 TO 41851

L2 50 SEA SSS SAM L1

=> d l2

L2 ANSWER 1 OF 50 REGISTRY COPYRIGHT 2007 ACS on STN

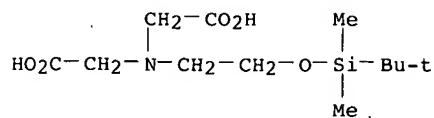
RN 959634-94-7 REGISTRY

ED Entered STN: 27 Dec 2007

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CN INDEX NAME NOT YET ASSIGNED
MF C12 H25 N O5 Si
SR CA
LC STN Files: CAPLUS

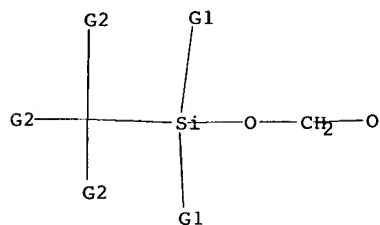


1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>
Uploading C:\Program Files\Stnexp\Queries\10534160c.str

L3 STRUCTURE UPLOADED

=> d l3
L3 HAS NO ANSWERS
L3 STR



G1 C,O,N,Si,Ge,Pb,Sn
G2 Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l3 sss sam
SAMPLE SEARCH INITIATED 10:56:04 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1319 TO ITERATE

100.0% PROCESSED 1319 ITERATIONS
SEARCH TIME: 00.00.01

1 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 24202 TO 28558
PROJECTED ANSWERS: 1 TO 80

L4 1 SEA SSS SAM L3

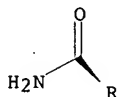
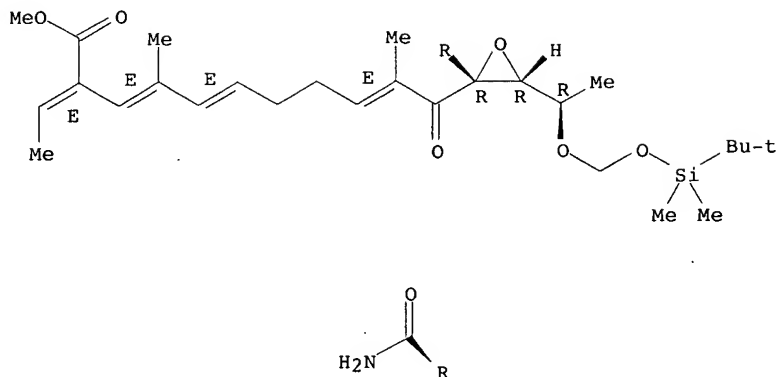
=> d l4

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 207128-00-5 REGISTRY
ED Entered STN: 14 Jun 1998
CN Arabinonamide, 2,3-anhydro-5-deoxy-4-O-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]-2-C-[(2E,6E,8E,10E)-10-(methoxycarbonyl)-2,8-dimethyl-1-oxo-2,6,8,10-dodecatetraenyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C28 H45 N O7 Si
SR CA
LC STN Files: CA, CAPLUS

Relative stereochemistry.
Double bond geometry as shown.

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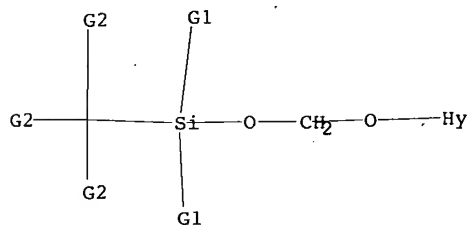
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>
Uploading C:\Program Files\Stnexp\Queries\10534160d.str

L5 STRUCTURE UPLOADED

=> d 15
L5 HAS NO ANSWERS
L5 STR



G1 C,O,N,Si,Ge,Pb,Sn
G2 Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s 15 sss sam
SAMPLE SEARCH INITIATED 10:57:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1319 TO ITERATE

100.0% PROCESSED 1319 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 24202 TO 28558
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=> s 15 full
FULL SEARCH INITIATED 10:57:43 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 27791 TO ITERATE

100.0% PROCESSED 27791 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

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L7 0 SEA SSS FUL L5

=> s l3 full

FULL SEARCH INITIATED 10:58:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 27791 TO ITERATE

100.0% PROCESSED 27791 ITERATIONS 43 ANSWERS
SEARCH TIME: 00.00.01

L8 43 SEA SSS FUL L3

=> file caplus

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 352.15 | 352.36 |

FILE 'CAPLUS' ENTERED AT 10:58:39 ON 29 DEC 2007
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FILE COVERS 1907 - 29 Dec 2007 VOL 148 ISS 1
FILE LAST UPDATED: 28 Dec 2007 (20071228/ED)

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<http://www.cas.org/infopolicy.html>

=> s l8

L9 17 L8

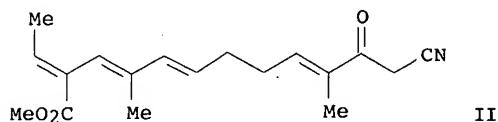
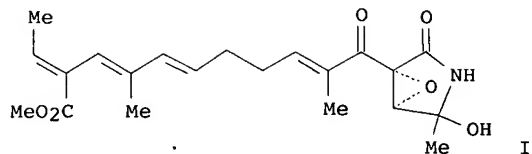
=> s l9 and protecting

67972 PROTECTING

L10 3 L9 AND PROTECTING

=> d bib abs hitstr 1-3 l10

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2002:922490 CAPLUS
DN 138:137065
TI Diastereoselective Total Synthesis of Both Enantiomers of Epolactaene
AU Hayashi, Yujiro; Kanayama, Jun; Yamaguchi, Junichiro; Shoji, Mitsuru
CS Department of Industrial Chemistry, Faculty of Engineering, Tokyo
University of Science, Tokyo, 162-8601, Japan
SO Journal of Organic Chemistry (2002), 67(26), 9443-9448
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 138:137065
GI

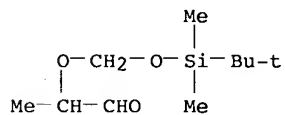


AB A stereocontrolled total synthesis of both the (+)- and (-)-epolactaene ((+)- and (-)-I) enantiomers from tetrahydropyran-2-ol is described. The following reactions in this synthesis are particularly noteworthy: (1) the stereoselective construction of the conjugated (E,E,E)-triene by a combination of kinetic deprotonation and thermodyn. equilibration, (2) the E-selective Knoevenagel condensation of β -ketonitrile II with a chiral 2-alkoxyaldehyde, (3) a diastereoselective epoxidn. achieved using a bulky nucleophile (TrOOLi) and an appropriate protecting group, (4) the mild hydrolysis of an α -epoxy nitrile by silica gel on TLC facilitated by hydroxyl-mediated, intramol. assistance.

IT 493001-85-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of (+)- and (-)- epolactaene via stereoselective formation of a substituted (E,E,E)-triene, Knoevenagel reactions and stereoselective epoxidn.)

RN 493001-85-7 CAPLUS

CN Propanal, 2-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methoxy]- (CA INDEX NAME)

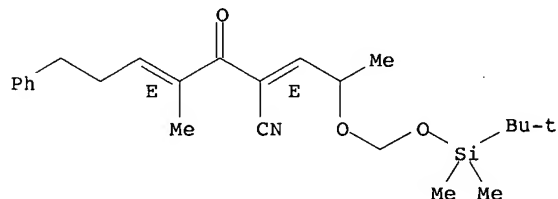


IT 493001-90-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of (+)- and (-)- epolactaene via stereoselective formation of a substituted (E,E,E)-triene, Knoevenagel reactions and stereoselective epoxidn.)

RN 493001-90-4 CAPLUS

CN 4-Heptenenitrile, 2-[2-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methoxy]propylidene]-4-methyl-3-oxo-7-phenyl-, (2E,4E)- (CA INDEX NAME)

Double bond geometry as shown.



IT 493001-70-0P 493001-88-0P 493001-94-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of (+)- and (-)- epolactaene via stereoselective formation of a substituted (E,E,E)-triene, Knoevenagel reactions and stereoselective epoxidn.)

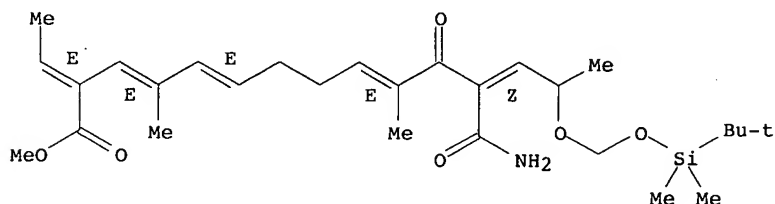
RN 493001-70-0 CAPLUS

CN 3,5,9,12-Pentadecatetraenoic acid, 12-(aminocarbonyl)-14-[[[(1,1-

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dimethylethyl)dimethylsilyl]oxy]methoxy]-2-ethylidene-4,10-dimethyl-11-oxo-
, methyl ester, (2E,3E,5E,9E,12Z)- (CA INDEX NAME)

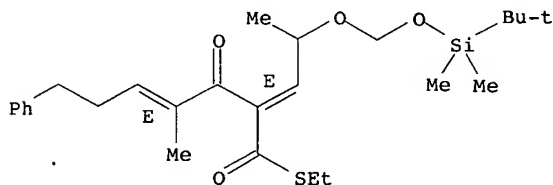
Double bond geometry as shown.



RN 493001-88-0 CAPLUS

CN 4-Heptenethioic acid, 2-[2-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methoxy
]propylidene]-4-methyl-3-oxo-7-phenyl-, S-ethyl ester, (2E,4E)- (CA INDEX
NAME)

Double bond geometry as shown.

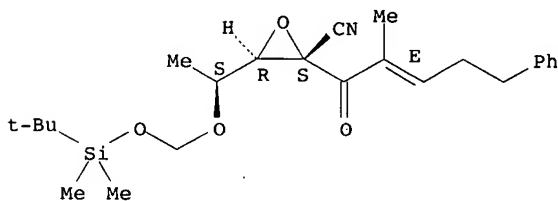


RN 493001-94-8 CAPLUS

CN Lyxononitrile, 2,3-anhydro-5-deoxy-4-O-[[[(1,1-
dimethylethyl)dimethylsilyl]oxy]methyl]-2-[(2E)-2-methyl-1-oxo-5-phenyl-2-
pentenyl]- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.



RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1995:638385 CAPLUS

DN 123:33586

TI Preparation of acyclic purine nucleoside derivatives as antiviral agents

IN Nakayama, Toshiaki; Ito, Tomoko; Morisawa, Yoshitomi; Ikeuchi, Kyoshi;

Shinko, Seigo; Takase, Hiroyuki; Murakami, Yoichi

PA Daiichi Seiyaku Co, Japan; Asahi Glass Co Ltd

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

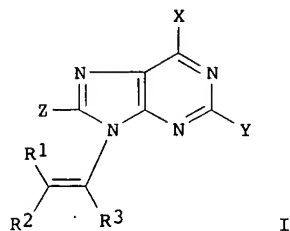
DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | ~ DATE |
|------|------------------|------|----------|-----------------|----------|
| PI | JP 07048374 | A | 19950221 | JP 1993-212212 | 19930804 |
| PRAI | JP 1993-212212 | | 19930804 | | |
| OS | MARPAT 123:33586 | | | | |
| GI | | | | | |

McIntosh



AB The title compds. [I; R1 - R3 = H, R4O(CH2)m, (R5O)2P(O)CH2O(CH2)n, provided that at least one of R1 - R3 = R4O(CH2)m or (R5O)2P(O)CH2O(CH2)n; wherein R4 = H or HO-protecting group; R5 = H or alkyl; m, n = 1-3; X, Y, Z = H, (un)protected OH or NH2, SH, alkylthio, halo], having more potent antiviral activity than the known acyclic nucleoside acyclovir, are prepared. Thus, 6-O-benzylguanine was added to a suspension of 60% NaH in DMF and stirred at room temperature for 30 min followed by adding a DMF solution of 1-O-(dimethylphosphonomethyl)-2,3-O-di-p-toluenesulfonylglycerol under ice-cooling and stirring the resulting mixture at room temperature for 24 h and at 50° for 24 h to give 6-O-benzyl-9-[3-(diethylphosphonomethoxy)-2-p-toluenesulfonyloxypropyl]guanine. The latter p-toluenesulfonate was treated with DBU in MeCN at 80° under stirring for 24 h to give 6-O-benzyl-9-[3-(diethylphosphonomethoxy)-1-propenyl]guanine which was treated with Me3SiBr in MeCN at room temperature for 2 h and then with H2O to give 9-[3-(phosphonomethoxy)-1-propenyl]guanine (II). (E)-II in vitro showed PRE50 (50% pluck reduction concentration) of 1.18 and 0.74 µg/mL for varicella-zoster virus (VZV) CaQu strain and human cytomegalovirus AD169 strain, resp.

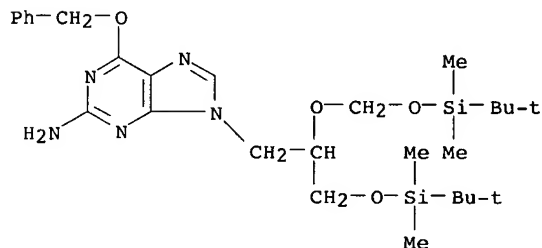
IT 164152-35-6P 164152-36-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate for preparation of acyclic purine nucleoside derivs. as antiviral agents)

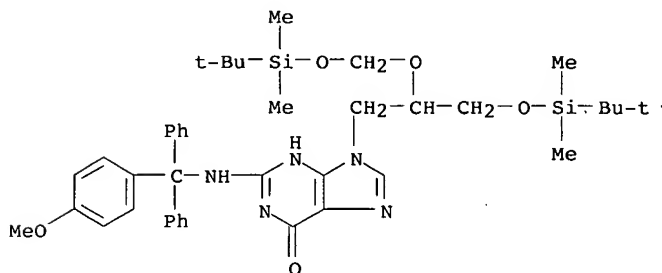
RN 164152-35-6 CAPLUS

CN 9H-Purin-2-amine, 9-[3-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]-2-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methoxy]propyl]-6-(phenylmethoxy)]- (CA INDEX NAME)

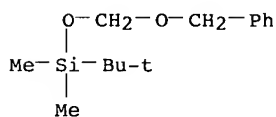


RN 164152-36-7 CAPLUS

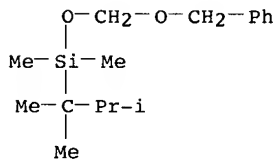
CN 6H-Purin-6-one, 9-[3-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]-2-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methoxy]propyl]-1,9-dihydro-2-[[4-methoxyphenyl)diphenylmethyl]amino]]- (CA INDEX NAME)



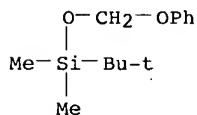
L10 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1990:139120 CAPLUS
 DN 112:139120
 TI Chloromethoxysilanes as protecting reagents for sterically
 hindered alcohols
 AU Gundersen, Lise Lotte; Benneche, Tore; Undheim, Kjell
 CS Dep. Chem., Univ. Oslo, Oslo, N-0315, Norway
 SO Acta Chemica Scandinavica (1989), 43(7), 706-9
 CODEN: ACHSE7; ISSN: 0904-213X
 DT Journal
 LA English
 OS CASREACT 112:139120
 AB Chloromethoxysilanes EtSCH₂OSiR₁R₂ (R₁ = Me, R₂ = CMe₃, t-exyl; R₁ = Ph,
 R₂ = CMe₃, Me) were prepared and reacted with ROH (R = PhCH₂, Ph, Me₃C,
 PhCMe₂, 1-methylcyclohexyl, etc.) in the presence of (Me₂CH)₂NEt in CH₂Cl₂
 to give ROCH₂OSiR₁R₂. Deprotonation of the silylated alcs. was
 accomplished with Bu₄NF in THF and under acidic conditions.
 IT 125816-35-5P 125816-36-6P 125816-38-8P
 125816-39-9P 125816-41-3P 125816-42-4P
 125816-43-5P 125816-44-6P 125816-45-7P
 125816-46-8P 125816-47-9P 125816-48-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and deprotection of)
 RN 125816-35-5 CAPLUS
 CN Silane, (1,1-dimethylethyl)dimethyl[(phenylmethoxy)methoxy]- (9CI) (CA
 INDEX NAME)



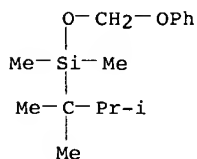
RN 125816-36-6 CAPLUS
 CN Silane, dimethyl[(phenylmethoxy)methoxy](1,1,2-trimethylpropyl)- (9CI)
 (CA INDEX NAME)



RN 125816-38-8 CAPLUS
 CN Silane, (1,1-dimethylethyl)dimethyl(phenoxy)methoxy)- (9CI) (CA INDEX
 NAME)



RN 125816-39-9 CAPLUS
 CN Silane, dimethyl(phenoxy)methoxy(1,1,2-trimethylpropyl)- (9CI) (CA INDEX
 NAME)

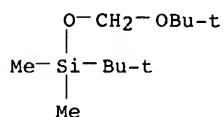


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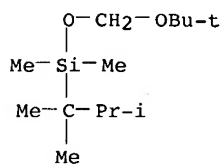
RN 125816-41-3 CAPLUS

CN Silane, [(1,1-dimethylethoxy)methoxy](1,1-dimethylethyl)dimethyl- (CA INDEX NAME)



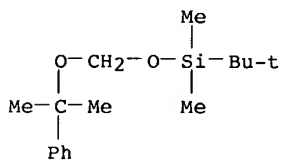
RN 125816-42-4 CAPLUS

CN Silane, [(1,1-dimethylethoxy)methoxy]dimethyl(1,1,2-trimethylpropyl)- (CA INDEX NAME)



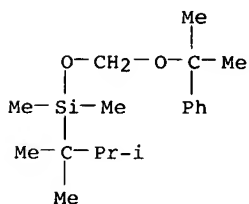
RN 125816-43-5 CAPLUS

CN Silane, (1,1-dimethylethyl)dimethyl[(1-methyl-1-phenylethoxy)methoxy]- (9CI) (CA INDEX NAME)



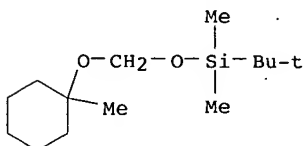
RN 125816-44-6 CAPLUS

CN Silane, dimethyl[(1-methyl-1-phenylethoxy)methoxy](1,1,2-trimethylpropyl)- (9CI) (CA INDEX NAME)



RN 125816-45-7 CAPLUS

CN Silane, (1,1-dimethylethyl)dimethyl[(1-methylcyclohexyl)oxy]methoxy]- (9CI) (CA INDEX NAME)

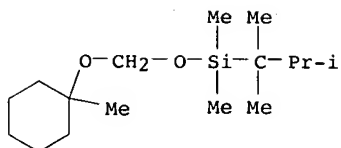


RN 125816-46-8 CAPLUS

CN Silane, dimethyl[(1-methylcyclohexyl)oxy]methoxy](1,1,2-trimethylpropyl)- (9CI) (CA INDEX NAME)

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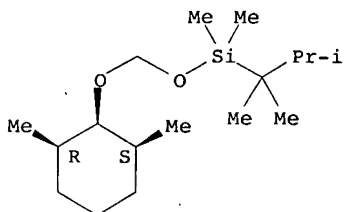
10/534160



RN 125816-47-9 CAPLUS

CN Silane, [[(2,6-dimethylcyclohexyl)oxy]methoxy]dimethyl(1,1,2-trimethylpropyl)-, (1 α ,2 α ,6 α)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 125816-48-0 CAPLUS

CN Silane, dimethyl[[[4-methyl-1-(1-methylethyl)-3-cyclohexen-1-yl]oxy]methoxy](1,1,2-trimethylpropyl)- (9CI) (CA INDEX NAME)

